

20

p384 3-17, 21, 22, 25 p392 5-8, 33

3. $\triangle FED$

4. $\frac{BA}{EF} = \frac{AC}{FO} = \frac{CB}{DE}$

5. $\frac{25}{15} = \frac{y}{12}$

6. $\frac{15}{25} = \frac{18}{x}$

7. $y = 20$

8. $x = 30$

9. $\triangle FGH \sim \triangle KLD$

AA~

10. $\triangle NYM \sim \triangle ZYX$

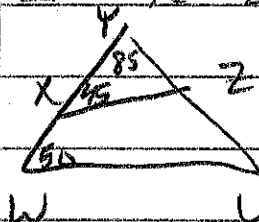
AA~

11. $10 + \sim$

12. $\triangle CBD \sim \triangle CAE$

AA~

* 13. $\triangle YZX \sim \triangle YWU$



AA~

14. $\triangle NMP \sim \triangle NLQ$

AA~

15. No only works
for $\triangle s$

16. $\frac{12}{24} = \frac{10}{p}$

$$\frac{20}{3} = \frac{p}{1}$$

17. 5 is not a side of the \triangle

$$\frac{4}{6} = \frac{9}{x} \text{ works}$$

22.

21. $AB = 4$ $AC = 8$

$AD = 5$ $AE = 10$ (10, 0)

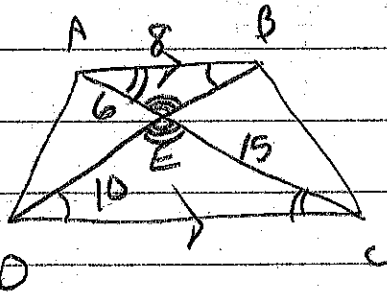
$AB = 3$ $AC = 4$

$AD = 7$ $AE = \frac{28}{3}$ ($\frac{28}{3}$, 0)

$\frac{3}{4} = \frac{7}{x}$

$3x = 28$

25.



$$\triangle ABE \sim \triangle CDE$$

$$\frac{BE}{10} = \frac{62}{155}$$

$$BE = 4$$

$$\frac{DC}{8} = \frac{10}{4}$$

$$DC = 20$$

P392

5. $\triangle RST$

$$\frac{7}{3.5}, \frac{8}{4}, \frac{12}{6} \checkmark$$

6. $\triangle JKL$

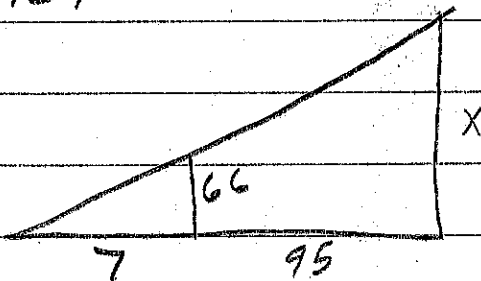
$$\frac{14}{17.5}, \frac{16}{20}, \frac{20}{25} \checkmark$$

7. $\triangle FDE \sim \triangle XWY$

$$\frac{2}{3}$$

8. not ~

33



9. $AA \sim$

curtik

$$\frac{66}{x} = \frac{7}{102}$$

$$7x = 6732$$

$$x = 961.7 \text{ in} \div 12 \approx 80 \text{ ft}$$

$$\frac{75 \text{ in}}{961.7 \text{ in}} = \frac{6}{x}$$

$$76.9 \text{ ft} = x - 6 \text{ ft}$$

$$70.9 \text{ ft}$$